

**BRUHAT BANGALORE MAHANAGARA
PALIKE**



**Asst.Executive Engineer,
Shettyhalli Sub Division,**

Name of Work :- Improvements of CC Roads at 6th,7th,8th and 9th Cross 2nd Main to 3rd Main and Other Roads Ravindra Nagar in Ward No.13 Shettyhalli Sub Division

Est Cost:50.00 Lakhs

Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Improvements to CC Roads At 6th,7th,8th,And 9th Cross 2nd Main To 3rd Main And Other Roads Ravindra nagar In Ward No.13 Mallasandra

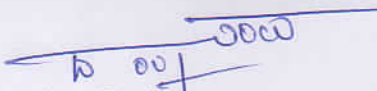
<i>Est .Cost Rs.50.00 Lakhs</i>									
SI No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSSRB 300-3. Earthwork excavation by manual means in ordinary soil involving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 142/ Item No. 19.1/ PWD SR 2016-17								
	6th Cross	cum	1	115.00	5.00	0.50	287.50		
	7th Cross		1	110.00	5.00	0.50	275.00		
	8th Cross		1	109.00	5.00	0.50	272.50		
	9th Cross		1	114.00	5.00	0.50	285.00		
	2nd Main		1	40.00	0.90	0.50	18.00	175.96	200242.48
				3.00			1138.00	172.57	196384.66
2	KSSRB M400-7 Construction Of granular sub -base by providing coarse graded crushed stone aggregates of granite / trap / basalt material spreading in uniform layers with motor grader on prepared surface,mixing by mix in place method with rotavator at OMC,and compacting with vibratory roller to achive the desired density. complete as per specification. By mix in place method for Grading II Material KSSRB Page No 156 Item No 20.6 and 20.6.3								
	6th Cross	Cum	1	115.00	5.00	0.20	115.00		
	7th Cross		1	110.00	5.00	0.20	110.00		
	8th Cross		1	109.00	5.00	0.20	109.00		
	9th Cross		1	114.00	5.00	0.20	114.00		
	2nd Main		1	40.00	5.00	0.20	40.00		
							488.00	1582.58	772299.04
3	KSSRB M600-1 Construction Of dry lean cement concrete mix CC1:5:10 With OPC cement @160kgs,with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum sub-base over a prepared sub-grade with (course and fine aggregate conforming to IS:383) aggregate cement ratio not to exceed 15:1. Aggregate gardation after blending to br as per Table 600-1, cement content not to be less than 160kg/cum, optimum moisture content to be less than 10Mpa at 7days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, comacting with 8-10 tonnes vibratory roller,finishing and curing complete as per Specification KSSRB:Page No 176, Item No 22.2 and 22.2.1								
	6th Cross	Cum	1	115.00	5.00	0.15	86.25		
	7th Cross		1	110.00	5.00	0.15	82.50		
	8th Cross		1	109.00	5.00	0.15	81.75		
	9th Cross		1	114.00	5.00	0.15	85.50		
	2nd Main		1	40.00	0.90	0.15	5.40		
							341.40	3986.66	1361045.72

3

Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregates, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) & spreading the concrete with shovels, rammers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane, sealant primer, joint sealant, admixtures as approved, including curing, finishing to lines and grades as per drawing complete as per specifications. M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) Page o 177 Item No 22.6.1								
4	6th Cross	Cum	1	115.00	5.00	0.15	86.25	
	7th Cross		1	110.00	5.00	0.15	82.50	
	8th Cross		1	109.00	5.00	0.15	81.75	
	9th Cross		1	114.00	5.00	0.15	85.50	
	2nd Main		1	40.00	0.90	0.15	5.40	
							341.40	6217.96
								2122811.54
Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery. including cost of blade, coolant etc., including cleaning of groove & providing sand and hot bitumen fillers, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. for concrete pavement Page No.178/ Item No.22.8, 22.8.1/ PWD SR 2016-17								
5	6th Cross	Rmt	1	10.00	5.00		50.00	
	7th Cross		1	10.00	5.00		50.00	
	8th Cross		1	10.00	5.00		50.00	
	9th Cross		1	10.00	5.00		50.00	
							200.00	121.90
								24380.00
Providing & laying reinforced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specifications.								
6	Missing Slabs	Sqm	145	0.60		0.75	65.25	105084.00
			139				65.25	109620.00
							62.55	
								4585862.80
							Sub Total	4586540.97
7	Miscellaneous and Other Charges						412727.05	412788.69
8	Rounding off						1409.55	670.34
							Grand Total	5000000.00
(Rupees Fifty Lakhs Only)								

CERTIFICATE

- 1 The Work spot has been inspected and the work found to be necessary
- 2 The Estimate is prepared as per the PWD SR 2016-17
- 3 The Provision made in estimate are adequate and essential
- 4 This area comes under BBMP limits.
- 5 This work is not included in any other estimate.


 Asst Engineer
 Ward No-13


 Asst Executive Engineer
 Shettyhalli Sub-Division
 BBMP


 Executive Engineer
 Dasarahalli Zone
 BBMP



ನಂ. JC/D/AS/09/17-18 ದಿನಾಂಕ : 27/4/17
ರೂ. Fifty Lakhs Rupees only

ಗಣ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಅನುಸಾರವಾಗಿ ಮಂಜೂರಾತಿ ನೀಡಿದೆ



ಜಿ.ಬಿ. ಅಯ್ಯಪ್ಪರು

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/D2/RS/43/2017-18 ದಿನಾಂಕ : 28/4/17

ರೂ. 50.00 Lakhs T. Revenue only
Lakhs Only

ಗಣ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ



ಮುಖ್ಯ ಅಭಿವೃದ್ಧಿ ಇಲಾಖೆ

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು

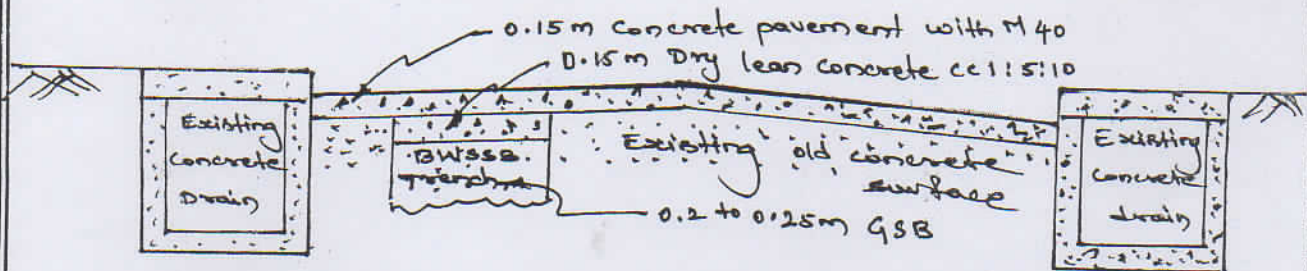
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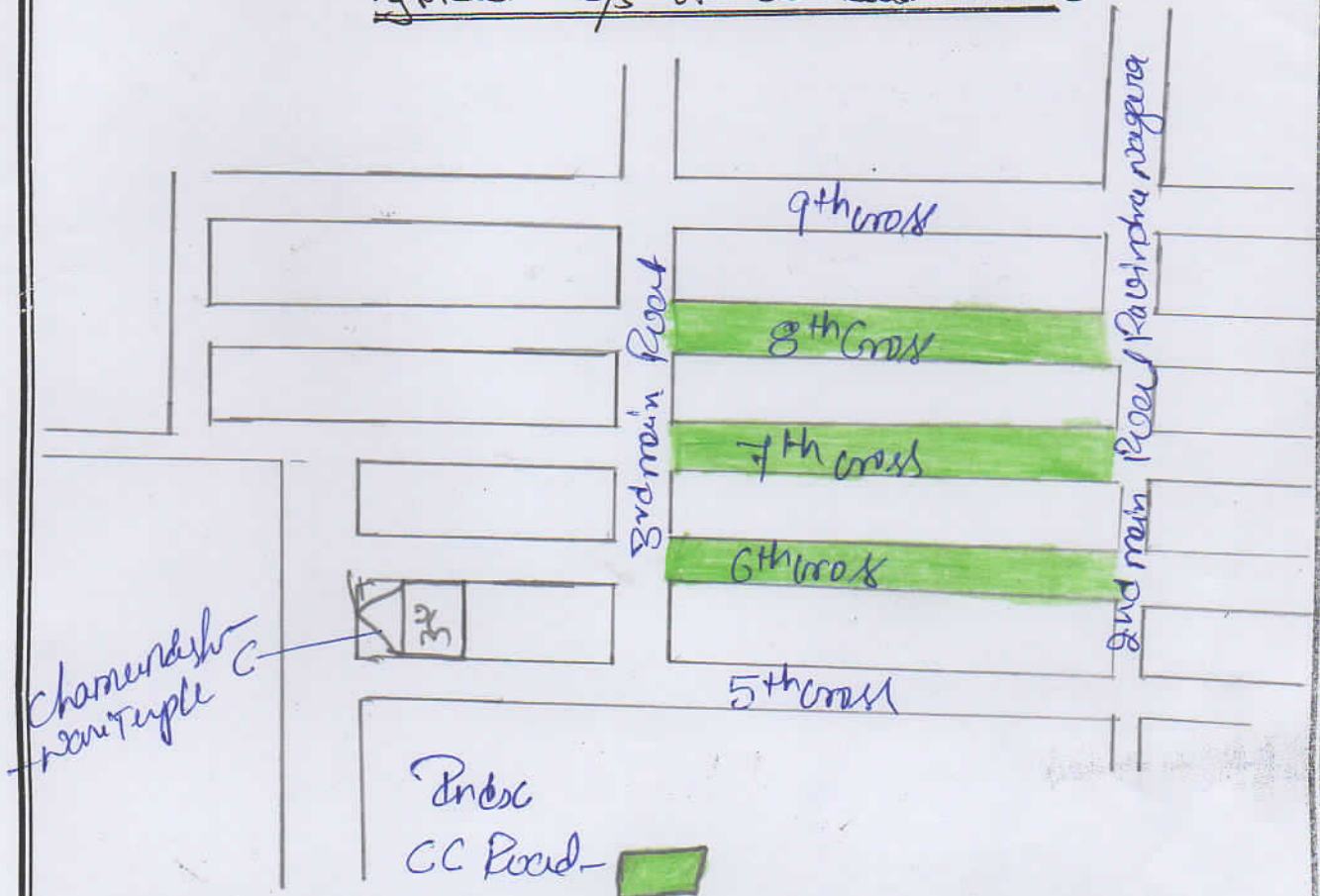
Name of Work

Improvements to cc Roads at 6th, 7th, 8th and 9th cross 2nd Main to 3rd Main and other Roads Ravindra Nagar in Ward No. 13 Malleswara

Carriage way 3 to 4.5m



Typical c/s of cc Road surface



Asst. Engineer
Ward No. 13

Asst. Executive Engineer
Shettyhalli Sub Division, Dasarahalli Zone
BBMP Bangalore.